Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/05/2016 11:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124326	-1	2.00	124134	2.00
Blue	F	SSC	125000	123976	-1	3.80	124248	3.66
Blue	E	FITC	22946	22544	-2	2.60	1004	9.58
Blue	D	PE	28770	28355	-2	2.23	1015	8.90
Blue	B	PerCP-Cy5-5	51099	50648	-1	3.57	1454	16.08
Blue	A	PE-Cy7	42312	41808	-2	5.05	648	33.35
Red	C	APC	52169	52280	0	2.87	3011	9.35
Red	A	APC-Cy7	56705	56799	0	2.90	1171	10.92
Violet	B	V450	14708	14361	-3	3.61	688	8.59
Violet	A	V500	58608	57156	-3	3.40	2546	6.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19612	4.33	597	-1	N/A	N/A	Pass
Blue	F	SSC	61946	2.20	525	7	N/A	N/A	Pass
Blue	E	FITC	111	37.07	533	2	0.0244	163	Pass
Blue	D	PE	222	26.48	529	3	0.2027	249	Pass
Blue	B	PerCP-Cy5-5	230	41.75	625	3	0.0113	76	Pass
Blue	A	PE-Cy7	72	107.83	673	2	0.0134	11	Pass
Red	C	APC	351	27.22	591	1	0.0210	67	Pass
Red	A	APC-Cy7	128	39.71	575	-1	0.0061	1835	Pass
Violet	B	V450	83	42.15	469	10	0.0520	2218	Pass
Violet	A	V500	184	22.96	498	10	0.0152	619	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.97	-30.45	0.81
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.08	13.27 - 19.91	N/A	N/A	30.87	31.22	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12968

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments